

Getting Started Guide

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Requirements / Prerequisites

The SonicWALL WXA 500 requires:

- A SonicWALL E-class NSA, NSA, or TZ security appliance running SonicOS 5.8.1 or higher firmware.
- An unused interface on the SonicWALL NSA/TZ series appliance configured with a LAN Static IP address and a DHCP lease scope. Please refer to the *SonicWALL WXA Quick Start Guide* for more information.
- A PC with a Pentium 4 processor or higher with:
 - CD/DVD ROM bay
 - Minimum of 2 GB RAM
 - Minimum of 80 GB hard disk
 - Monitor and Keyboard

Customers with current service/software support contracts can obtain updated versions of SonicWALL firmware from the MySonicWALL customer portal at <https://www.mysonicwall.com>. Updated firmware is also available for free within 90 days of registering the SonicWALL device on MySonicWALL.

Deployment Considerations

- WFS Acceleration is supported in Install Mode only. (Not supported in Memory Mode)

Supported Network Cards

- 3Com 3c515 Corkscrew
- 3Com 3c574 series PCMCIA Ethernet
- 3Com 3c589 series PCMCIA Ethernet
- 3Com 3c59x/3c9xx Ethernet
- 3Com Etherlink III (3c509, 3c509B, 3c529, 3c579) Ethernet
- 3Com ISA EtherLink II, II/16 (3c503, 3c503/16)
- 3Com Typhoon Family (3C990, 3CR990, and variants)
- AceNIC/3C985/GA620 Gigabit Ethernet
- Adaptec Starfire Ethernet
- AMD8111 based 10/100 Ethernet Controller.
- AMD PCnet32 or PCnetPCI Ethernet based network Ethernet card
- Ansel AC3200 EISA Ethernet
- ASIX AX8817X based USB 2.0 Ethernet Devices
- Asix AX88190 PCMCIA Ethernet

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- AT1700/1720 Ethernet
- Atheros 1000M Ethernet Network
- Atheros L1 Gigabit Ethernet
- Atheros L2 Fast Ethernet Network
- Broadcom 44xx/47xx 10/100 PCI Ethernet
- Broadcom NetXtreme II BCM57710/57711/57711E
- Broadcom Tigon3 Ethernet
- Cabletron E2100 ISA Ethernet
- CATC EL1210A NetMate USB Ethernet
- Chelsio 10Gb Ethernet
- Cisco 10G Ethernet
- CS89x0 chipset based Ethernet cards.
- Dave DNET Ethernet
- Davicom DM910X fast Ethernet
- Davicom DM9601 USB 1.1 Ethernet devices
- DEPCA DE10x, DE200, DE201, DE202, DE422
- Digital 21*4* Tulip Ethernet
- D-Link DL2000-based Gigabit Ethernet Adapter
- EtherEXpress16 network Ethernet card.
- EtherEXpressPro 10 (i82595)
- EtherWORKS DE203, DE204, DE205 network Ethernet cards.
- GL620-USB-A Host-to-Host Link cables
- HP CASCADE 100VG-AnyLan Network Adapters
- HP PC-LAN ISA Ethernet
- HP PC-LAN+ ISA Ethernet
- ICL EtherTeam 16i/32
- IC Plus IP1000 Gigabit Ethernet Adapter Linux
- Intel/Digital 21040/1 series PCI Ethernet
- Intel i82595 ISA EtherExpressPro10/10+
- Intel Panther onboard i82596
- Intel(R) 10 Gigabit PCI Express Network
- Intel(R) 82576 Virtual Function Network
- Intel(R) Gigabit Ethernet Network
- Intel(R) PRO/1000 Network
- Intel(R) PRO/1000 Network
- Intel(R) PRO/100 Network
- Intel(R) PRO/10GbE Network
- ISA Western Digital wd8003/wd8013 ; SMC Elite, Elite16 Ethernet
- JMicron JMC2x0 PCI Express Ethernet
- KL5USB101 USB Ethernet
- KS8851 MLL Network
- Marvell Yukon 2 Gigabit Ethernet
- Mellanox ConnectX HCA Ethernet
- Myricom 10G (10GbE)
- Myson MTD-8xx 100/10M Ethernet PCI Adapter
- National Semiconductor DP8381x series PCI Ethernet
- National Semiconductor DP83820 10/100/1000
- NE1000/NE2000 ISA/PnP Ethernet
- NE2000 compatible PCMCIA Ethernet
- NetChip 1080 based USB Host-to-Host Links
- Neterion's X3100 Series 10GbE PCIe I/O Virtualized Server Adapter
- NetXen Multi port (1/10) Gigabit Network

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- New Media PCMCIA Ethernet
- nForce Ethernet
- NIU Ethernet
- OpenCores Ethernet MAC
- Packet Engines 'Hamachi' GNIC-II Gigabit Ethernet
- Packet Engines Yellowfin G-NIC Gigabit Ethernet
- PCI NE2000 clone
- Pegasus/Pegasus II USB Ethernet
- QLogic 10 Gigabit PCI-E Ethernet
- QLogic ISP3XXX Network v2.03.00-k5
- RDC R6040 NAPI PCI FastEthernet
- RealTek RTL8002/8012 parallel port Ethernet
- RealTek RTL-8139C+ series 10/100 PCI Ethernet
- RealTek RTL-8139 Fast Ethernet
- RealTek RTL-8169 Gigabit Ethernet
- rtl8150 based usb-Ethernet
- SEEQ 8804 network Ethernet card.
- ServerEngines BladeEngine2 10Gbps NIC 2.101.205
- Sharp Zaurus PDA, and compatible products
- Silan SC92031 PCI Fast Ethernet Adapter
- Simple 'CDC Subset' USB networking links
- SiS 900 PCI Fast Ethernet
- SiS sis190/191 Gigabit Ethernet
- SMC 83c170 EPIC series Ethernet
- SMC 91c92 series PCMCIA Ethernet
- SMC Ultra/EtherEZ ISA/PnP Ethernet
- SMSC95XX USB 2.0 Ethernet Devices
- SMSC LAN9420 PCI Ethernet.
- Solarflare Communications network
- Sun Cassini(+) Ethernet
- Sundance Alta Ethernet
- Sun GEM Gbit Ethernet
- Sun HappyMealEthernet(HME) 10/100baseT Ethernet
- Support for the ancient 3Com 3c501 Ethernet card
- SysKonnnect Gigabit Ethernet
- Tehuti Networks(R) Network
- Timberdale KS8842 Ethernet
- TI ThunderLAN based Ethernet PCI adapters
- ULi M5261/M5263 fast Ethernet
- USB CDC Ethernet devices
- USB to network adapter MCS7830
- VIA Networking Velocity Family Gigabit Ethernet Adapter
- VIA Rhine PCI Fast Ethernet
- Winbond W89c840 Ethernet
- Xircom Cardbus Ethernet
- Xircom PCMCIA Ethernet

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Registering your SonicWALL WXA 500 LiveCD

You must register your SonicWALL WXA 500 LiveCD before first use. Registration is performed using the NSA/TZ appliance management interface. It is recommended that you also associate your WXA 500 LiveCD as a child to the managing NSA/TZ appliance. When registration is completed, the SonicWALL WXA appliance will be licensed and ready to use. This section contains the following subsections:

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Creating a MySonicWALL Account

A MySonicWALL account is required for product registration. If you already have an account, continue to the *Registering, Associating, and Activating the WXA 500 License* sections. Perform the following steps to create a MySonicWALL account:

1. In your web browser, navigate to <http://www.mysonicwall.com>.



2. In the login screen, click the **Not a registered user? Register Now** link.
3. Complete the registration form, then click the **Register** button.
4. Verify the information you entered is correct, then click the **Submit** button.
5. In the confirmation screen, click the **Continue** button.

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Registering the WXA 500 Serial Number

To register your SonicWALL WXA 500 LiveCD, perform the following steps:

1. Log in to your <http://www.mysonicwall.com> account.



The screenshot shows the SonicWALL login page. At the top, there is a language selection bar with options: English | Français(French) | Deutsch(German) | Italiano(Italian) | 日本語(Japanese) | Español(Spanish) | 中文(Chinese). Below this is the "Login to MySonicWALL" section. It contains two input fields for "Username/Email:" and "Password:", each with a "Forgot?" link to its right. Below the password field is a dropdown menu currently set to "Home". A "Login" button is positioned below the dropdown. At the bottom of the page, there is a link that says "Not a registered user? Register Now".

2. Navigate to the **My Products > Register Product** page.



The screenshot shows the "Register Product" page in the MySonicWALL interface. The top header includes the SonicWALL logo and "MySonicWALL". On the left, a sidebar menu shows "Home", "My Products" (expanded), "Product Management", "Register Product" (highlighted), "My Client Licenses", "My Account", "My Groups", "My Orders", and "FlexSpend". The main content area is titled "Register Product" and includes a "Welcome, [username] Logout" link. Below the title, there are radio buttons for "Add New" (selected) and "Product", and another radio button for "Client Distribution Group". A note states "Fields marked by (*) are mandatory." The "General Info" section contains four fields: "Serial Number:" (marked with a question mark and an asterisk), "Friendly Name:", "Product Group:" (a dropdown menu), and "Authentication Code:" (marked with a question mark and consisting of two boxes separated by a hyphen). A "Submit" button is located at the bottom right of the form.

3. Enter your Serial Number, Friendly Name, Product Group, and Authentication Code.
4. Click the **Submit** button.

You have successfully registered your SonicWALL WXA 500 LiveCD.

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Associating the WXA 500 LiveCD

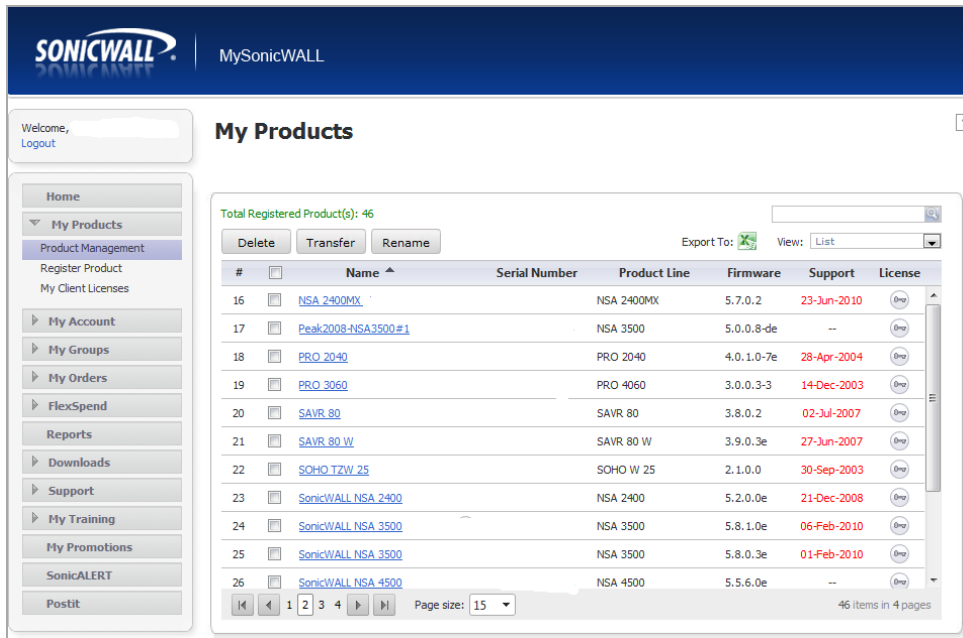
Note: It is highly recommended that you associate the WXA 500 LiveCD with the managing NSA/TZ appliance.

To associate the SonicWALL WXA 500 LiveCD as a child to your NSA/TZ appliance, perform the following steps:

1. Log in to your <http://www.mysonicwall.com> account.



2. Navigate to the **My Products > Product Management** page.



#	Name	Serial Number	Product Line	Firmware	Support	License
16	NSA 2400MX		NSA 2400MX	5.7.0.2	23-Jun-2010	(Rej)
17	Peak2008-NSA3500#1		NSA 3500	5.0.0.8-de	--	(Rej)
18	PRO 2040		PRO 2040	4.0.1.0-7e	28-Apr-2004	(Rej)
19	PRO 3060		PRO 4060	3.0.0.3-3	14-Dec-2003	(Rej)
20	SAVR 80		SAVR 80	3.8.0.2	02-Jul-2007	(Rej)
21	SAVR 80 W		SAVR 80 W	3.9.0.3e	27-Jun-2007	(Rej)
22	SOHO TZW 25		SOHO W 25	2.1.0.0	30-Sep-2003	(Rej)
23	SonicWALL NSA 2400		NSA 2400	5.2.0.0e	21-Dec-2008	(Rej)
24	SonicWALL NSA 3500		NSA 3500	5.8.1.0e	06-Feb-2010	(Rej)
25	SonicWALL NSA 3500		NSA 3500	5.8.0.3e	01-Feb-2010	(Rej)
26	SonicWALL NSA 4500		NSA 4500	5.5.6.0e	--	(Rej)

3. Click on the NSA/TZ appliance you are using to manage the SonicWALL WXA appliance.

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The “Service Management” page displays.

Associated Products	
Child Product Type	Registered
SonicPoint A/B/G	0
SonicPoint G	0
HF Secondary	0
SonicPoint N/Ni/Ne Dual Band	0
WAN Acceleration	0

4. Under the Associated Products section, click the **WAN Acceleration** link.
The “My Product > Associated Products” page displays:

My Product - Associated Products

Add a new WAN Acceleration to

Select the serialnumber of the product to associate.

Serial Number:

5. Click the **Serial Number** drop-down list, then select the serial number for the WXA 500 LiveCD.
6. Click the **Associate** button.

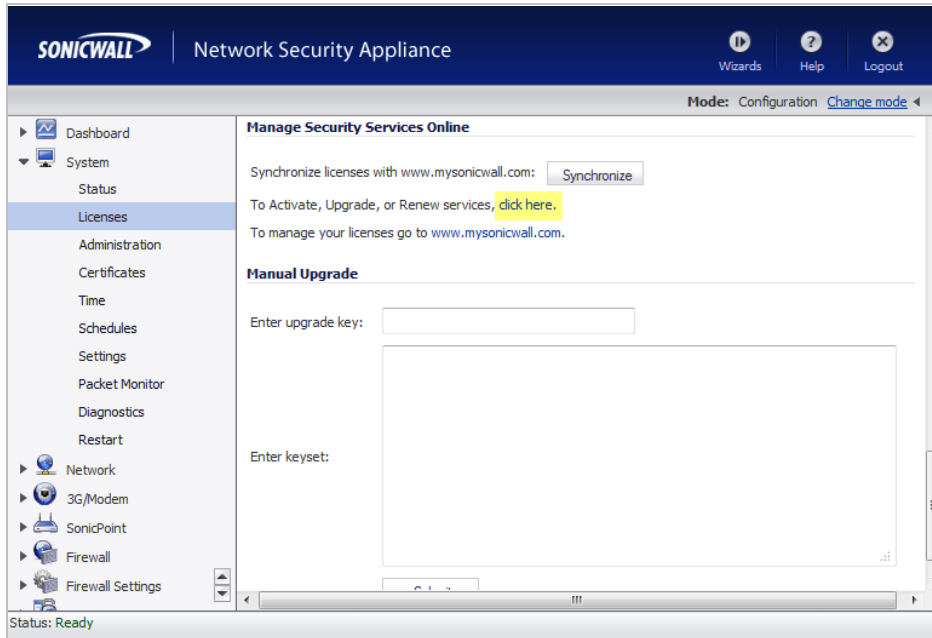
Your SonicWALL WXA 500 LiveCD is now associated with the managing NSA/TZ appliance.

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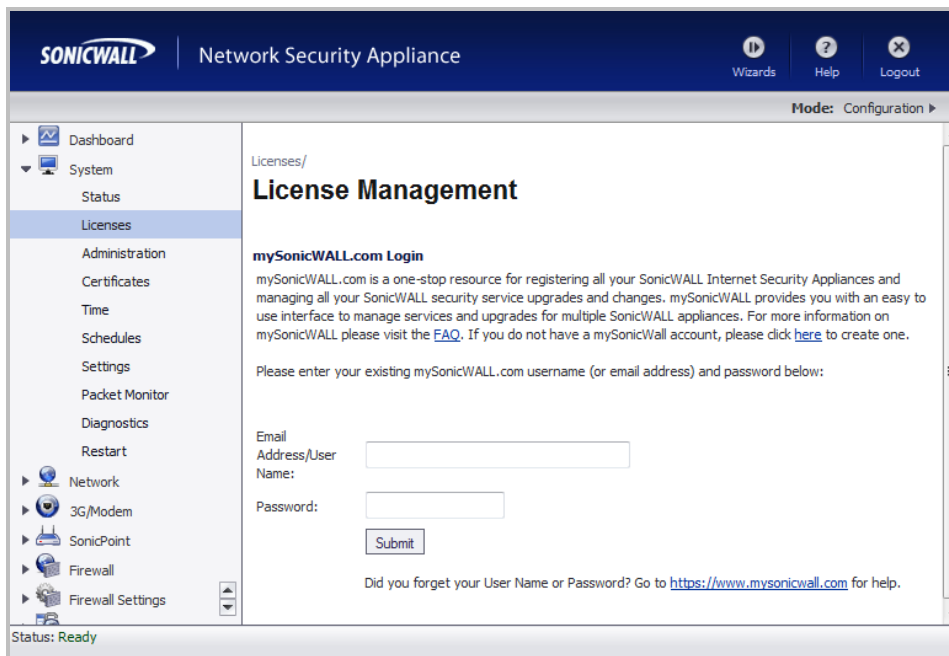
Activating the WXA 500 License

To activate your SonicWALL WXA 500 LiveCD license, perform the following steps:

1. Log in to your SonicWALL NSA/TZ appliance.
2. Navigate to the **System > License** page.



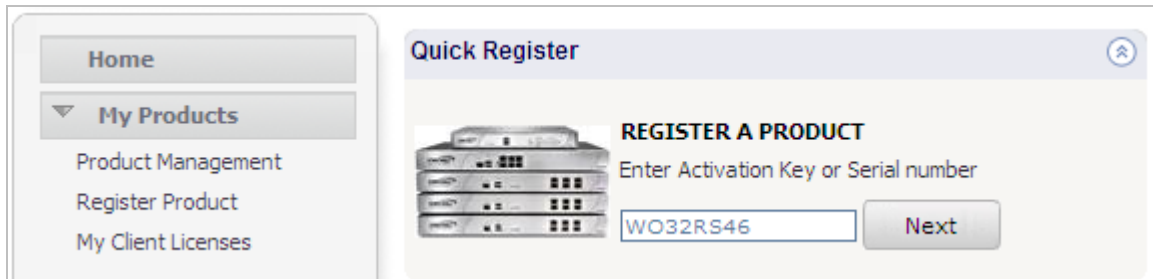
3. Click the **click here** link to activate, upgrade, or renew services. The "License Management" page displays.



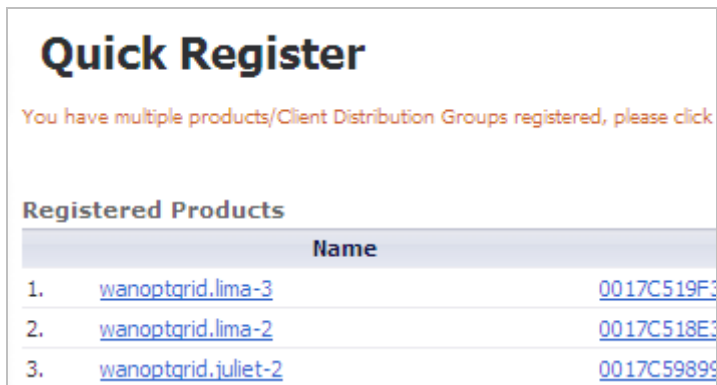
4. Enter your MySonicWALL.com account Email Address or Username and Password in the appropriate fields, then click the **Submit** button.

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The MySonicWALL.com home page displays.

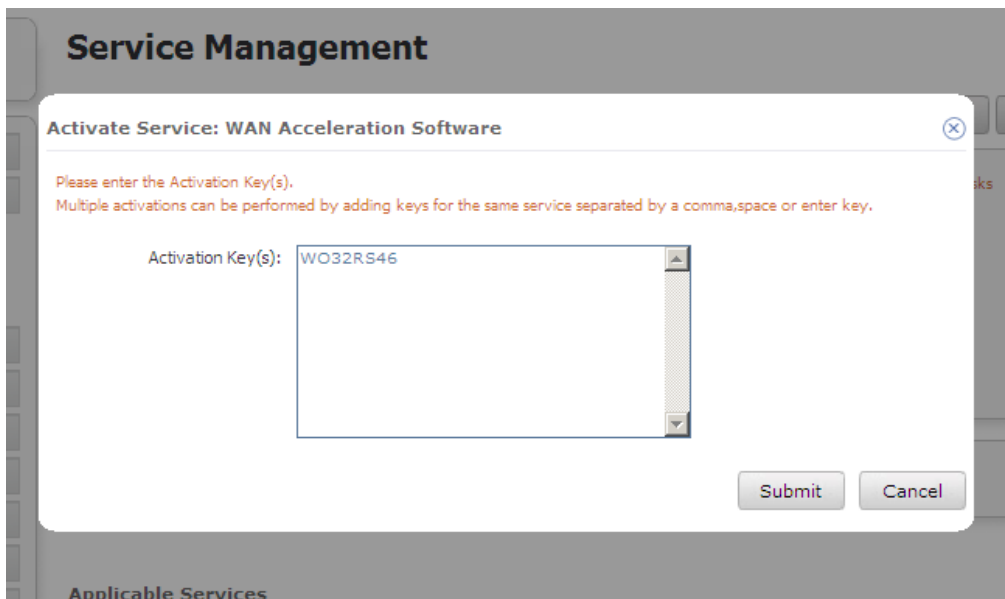


5. Enter the Activation Key or Serial Number in the textbox, then click the **Next** button.



Registered Products	
	Name
1.	wanoptgrid.lima-3 0017C519F3
2.	wanoptgrid.lima-2 0017C518E3
3.	wanoptgrid.juliet-2 0017C59899

6. If you have multiple NSA/TZ appliances registered, select the one you are using with your WXA appliance. The "Activate Service" page displays.



7. Enter the Activation Key(s), then click the **Submit** button.

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The confirmation page displays:

Applicable Services [Format for printing](#)

Your WAN Optimization Service has been activated.

Service Name	Download	Status	Count	Expiration	Action
Server Anti-Virus		Not Licensed			
Global VPN Client		Not Licensed			
Global VPN Client Enterprise		Licensed	1500		
VPN Policy Upgrade		Licensed			
Global Security Client		Not Licensed			
ViewPoint		Not Licensed			
Virtual Assist		Licensed	2		
SSL VPN		Licensed	2		
WAN Acceleration Software		Licensed		Aug 30 2012	

You have successfully licensed your SonicWALL WXA 500 LiveCD.

- Before accessing the WAN Acceleration page, navigate to the **System > Licenses** page and click the **Synchronize** button. This synchronizes the licenses between the License Manager and NSA/TZ appliance.

SONICWALL | Network Security Appliance Wizards ? X Help Logout

Mode: Configuration ▾

- Dashboard
- System
 - Status
 - Licenses**
 - Administration
 - Certificates
 - Time
 - Schedules
 - Settings
 - Packet Monitor
 - Diagnostics
 - Restart
- Network
- 3G/Modem
- SonicPoint
- Firewall
- Firewall Settings
- DPI-SSL
- VoIP

Manage Security Services Online

Synchronize licenses with www.mysonicwall.com:

To Activate, Upgrade, or Renew services, [click here](#).

To manage your licenses go to www.mysonicwall.com.

Manual Upgrade

Enter upgrade key:

Enter keyset:

Status: Ready

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Setting up the SonicWALL WXA 500 LiveCD

To set up the SonicWALL WXA 500 LiveCD, perform the following steps:

1. Download the ISO from mysonicwall.com.
2. Burn the ISO to a CD/DVD.
3. Connect your PC to an unused interface on the SonicWALL NSA/TZ.
4. Power on your PC.
 - a. Change the BIOS settings so that the CD-ROM is the first boot device.
5. Save and Exit BIOS.
6. Insert the LiveCD into the CD-ROM bay on your PC.

The “How do you wish to use the product?” prompt displays:



Refer to the “Using the SonicWALL WXA 500 LiveCD” section in this document and follow the configuration procedures for Memory Mode (Live) or Install Mode.

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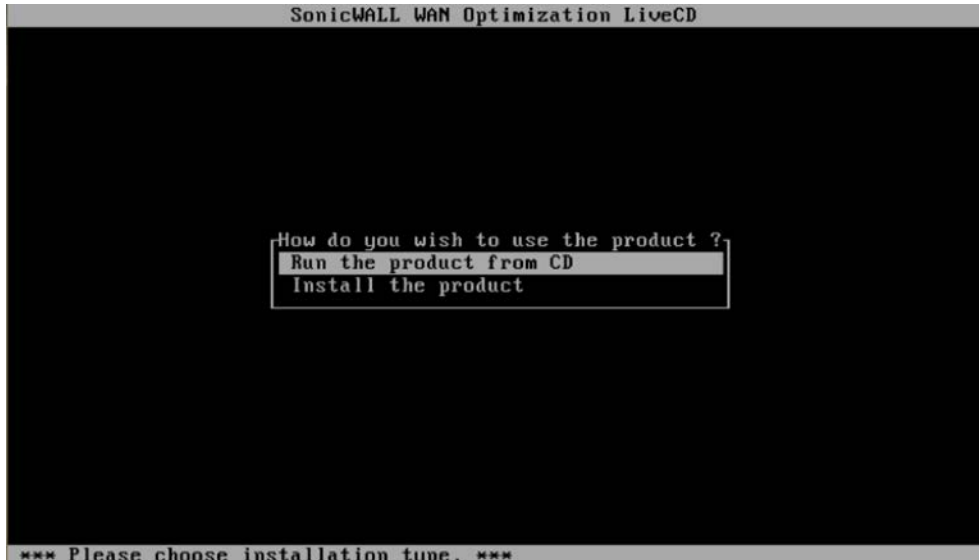
Using the SonicWALL WXA 500 LiveCD

The SonicWALL WXA 500 LiveCD can be run from the CD in Memory Mode or can be installed onto your PC in Install Mode. This section details the configuration steps for the Memory and Install Modes.

Memory Mode (Live)

Memory Mode runs the SonicWALL WXA 500 firmware entirely from the CD and does not make any changes to your PC. To configure Memory Mode on your PC, perform the following steps:

1. Select the **Run the product from CD** option, press the Enter key.



The "SonicWALL WAN Optimization Configuration" prompt displays:



2. Select the **Show Network Settings** option, press the Enter button.

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The “Show Network Settings” prompt displays:

```
SonicWALL WAN Optimization LiveCD

SonicWALL WAN Optimization Configuration
Show Network Settings
Renew DHCP lease
Show Show Network Settings
Show IP Address : 10.0.2.15
---- Netmask : 255.255.255.0
Debu Gateway : 10.0.2.2
Help DNS: 10.0.2.3
----
Reboot
Shutdown

Press Esc to close window.
```

If your SonicWALL NSA/TZ series appliance is configured correctly you should see a DHCP assigned IP address. If not, navigate to the **Network > DHCP Server** page and check the DHCP server.

The SonicWALL WXA 500 LiveCD is now operational in Memory Mode.

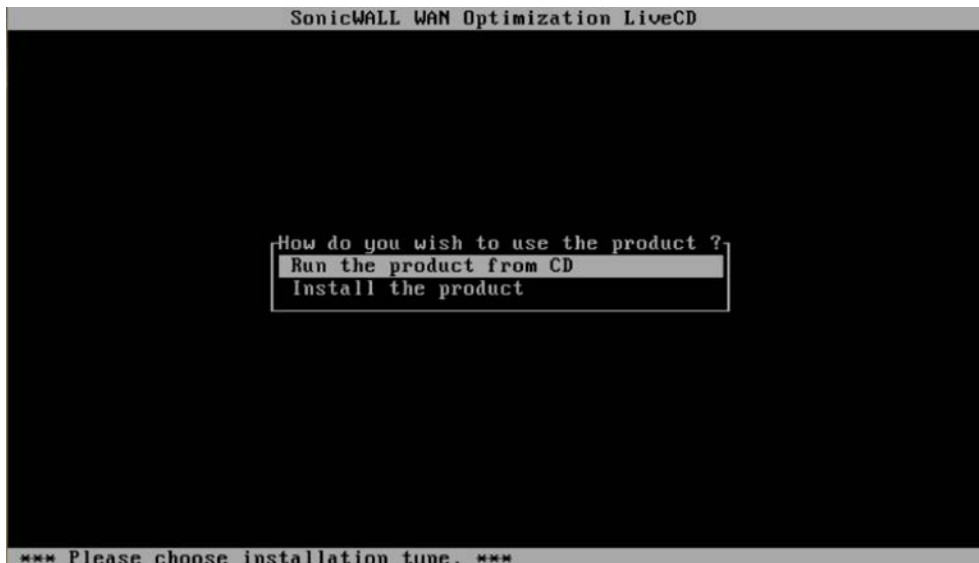
3. Navigate to the **WAN Acceleration** tab on your SonicWALL NSA/TZ series appliance to configure the WAN Acceleration service.

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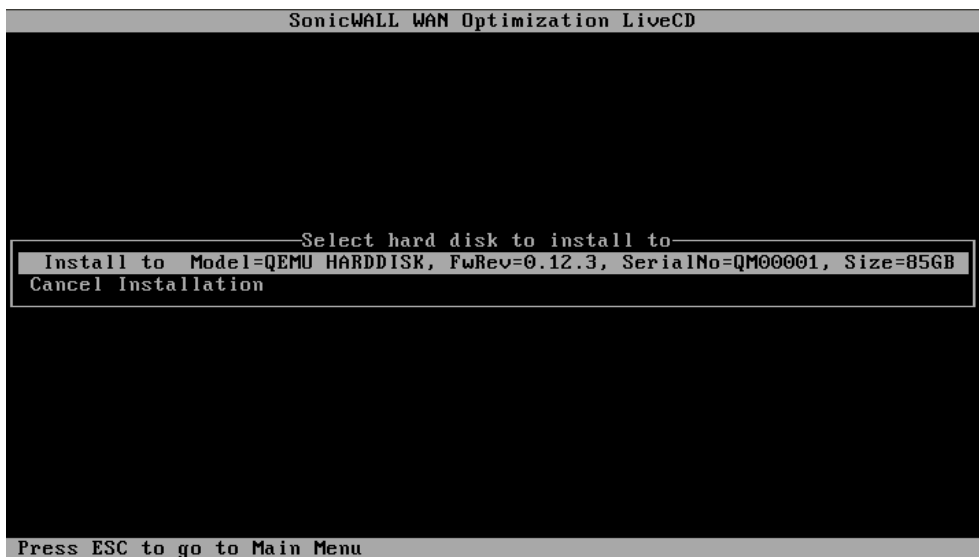
Install Mode

The Install Mode installs the SonicWALL WXA 500 LiveCD firmware onto your PC. To configure Install Mode on your PC, perform the following steps:

1. Select the **Install the Product** option.
2. Press the Enter key.



The "Select Hard Disk to install to" prompt displays:



3. Select a hard disk for install, and then press the Enter key.

Note: If your PC has multiple hard disks, please make sure to boot from the hard disk that you selected above.

The SonicWALL WXA 500 firmware is now installed on your PC.

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The “CD Eject” prompt displays:

```
NOTICE: Hit Enter to eject CDRom.  
Hit Enter when ready: 
```

4. Press the Enter key to eject the SonicWALL WXA 500 LiveCD from the CD-ROM drive. The “Reboot PC” prompt displays:

```
NOTICE: Hit Enter to eject CDRom.  
Hit Enter when ready:  
Ejecting CDRom  
  
WARNING: Please remove the CD/DVD from the CDRom bay and Hit Enter again to reboot the  
system. If CD is still present after you reboot the appliance, you will be taken  
back to the initial menu.  
  
Hit Enter when ready: 
```

5. Press the Enter key to reboot your PC into the SonicWALL WXA 500 Install Mode.
6. Follow steps 2-3 in the Memory Mode section of this document to complete the installation.

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Glossary of Terms

- **LAN** – Local Area Network
- **DHCP** – Dynamic Host Configuration Protocol
- **ROM** – Read-Only Memory
- **RAM** – Random-Access memory
- **GB** – Gigabyte
- **SATA** – Serial Advanced Technology Attachment
- **IDE** – Integrated Development Environment
- **ISO** – International Standards Organization
- **BIOS** – Basic Input / Output System

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